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JAPANESE PATENT OFFICE

## PATENT ABSTRACTS OF JAPAN

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(71)Applicant: SEIKO KUROTSUKU KK

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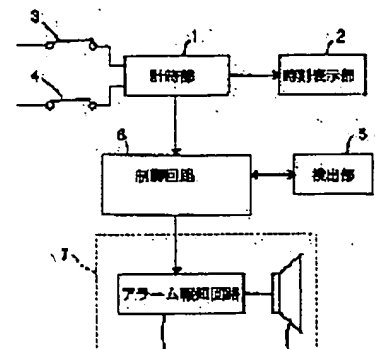
(72)Inventor: URABE TAKAO

(54) ALARM CLOCK

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an alarm clock resolving wasteful electric power consumption and surely awaking the user.

SOLUTION: When it comes to an alarm time, a clock part 1 outputs an alarm signal, a control circuit 6 operates an alarming circuit 7a and the alarming circuit 7a performs alarming with minimum sound volume in the three levels. At this moment, the control circuit operates a human body movement detector 5 and initiates the detection of movement of the user in the


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sleeping place. If no human movement is detected for 5 seconds (first desired time) after initiating the alarming, it judges that the user is not awoken, and raises the alarming sound volume by one level.

7a

7b

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